

# DECLARATION AND POW OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **FLAMELESS COMBUSTOR PROCESS HEATER** the specification of which is attached hereto unless the following box is checked:

☒ was filed on October 8, 1998 as United States Application Number or PCT International Application Number 09/168,770 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 27 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

## PRIOR FOREIGN APPLICATION(S)

APPLICATION NUMBER	COUNTRY	DAY/MONTH/YEAR FILED
APPLICATION NUMBER	COUNTRY	DAY/MONTH/YEAR FILED

Priority  
Not Claimed

☐
☐

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

APPLICATION SERIAL NO. <b>60/062,439</b>	FILING DATE <b>October 8, 1997</b>
APPLICATION SERIAL NO.	FILING DATE

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I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

APPLICATION SERIAL NO.	FILING DATE	STATUS-PATENTED, PENDING, ABANDONED
APPLICATION SERIAL NO.	FILING DATE	STATUS-PATENTED, PENDING, ABANDONED

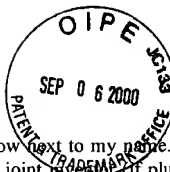
I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

NAME	ATTORNEY/AGENT	REGISTRATION NUMBER	TELEPHONE NUMBER
Del S. Christensen	Attorney	33,482	(713) 241-3997
NAME	ATTORNEY/AGENT	REGISTRATION NUMBER	TELEPHONE NUMBER
Mark A. Smith	Attorney	30,220	(713) 241-2094
NAME	ATTORNEY/AGENT	REGISTRATION NUMBER	TELEPHONE NUMBER
Richard F. Lemuth	Attorney	30,081	(713) 241-3921

SEND CORRESPONDENCE TO:

(NAME) Del S. Christensen  
c/o Shell Oil Company  
Intellectual Property  
P.O. Box 2463  
Houston, TX 77252-2463

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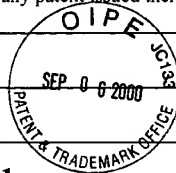


# DECLARATION AND POW OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY'S DOCKET NO.  
TH1042 (US)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

FULL NAME OF SOLE OR FIRST INVENTOR (given name, family name)	
<b>Rashmi K (initial only) SHAH</b>	
INVENTOR'S SIGNATURE <i>Rashmi K Shah</i>	DATE SIGNED
RESIDENCE <b>8006 Harbor Point Drive, Houston, Texas 77071</b>	CITIZENSHIP <b>USA</b>
POST OFFICE ADDRESS <b>8006 Harbor Point Drive, Houston, Texas 77071</b>	



FULL NAME OF SECOND JOINT INVENTOR, IF ANY (given name, family name)	
<b>Thomas (NMI) MIKUS</b>	
SECOND INVENTOR'S SIGNATURE <i>Thomas Mikus</i>	DATE SIGNED <b>August 11, 2000</b>
RESIDENCE <b>906 Coachlight Lane, Houston, Texas 77077</b>	CITIZENSHIP <b>USA</b>
POST OFFICE ADDRESS <b>906 Coachlight Lane, Houston, Texas 77077</b>	

FULL NAME OF THIRD JOINT INVENTOR, IF ANY (given name, family name)	
<b>Pettai Krishna Shankar</b>	
THIRD INVENTOR'S SIGNATURE <i>Pettai Krishna Shankar</i>	DATE SIGNED <b>8/25/00</b>
RESIDENCE <b>2314 Brookview Lane, Sugar Land, Texas 77479</b>	CITIZENSHIP <b>USA</b>
POST OFFICE ADDRESS <b>2314 Brookview Lane, Sugar Land, Texas 77479</b>	

FULL NAME OF FOURTH JOINT INVENTOR, IF ANY (given name, family name)	
FOURTH INVENTOR'S SIGNATURE	
DATE SIGNED	
RESIDENCE	CITIZENSHIP
POST OFFICE ADDRESS	

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ASSIGNMENT

WHEREAS, I, Pettai Krishna Shankar, along with Rashmi K. (initial only) Shah, Thomas (NMI) Mikus, have made a certain improvement in FLAMELESS COMBUSTOR PROCESS HEATER for which application papers for United States Patent thereon, identified as TH1042 (US), have been executed by us, and,

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

NOW THEREFORE, for valuable consideration received, I hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, I will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that I will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.


And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.


IN TESTIMONY WHEREOF, I have hereunto subscribed my names.

Witnesses:

  
PETTAI KRISHNA SHANKAR

8/25/00  
Date

  
(Witness)

  
(Witness)

ASSIGNMENT

WHEREAS, we, RASHMI K. SHAH and THOMAS MIKUS, have made a certain improvement in FLAMELESS COMBUSTOR PROCESS HEATER for which application papers for United States Patent thereon, identified as TH-1042 (US), have been executed by us on the date(s) indicated at the end of this assignment.

WHEREAS, SHELL OIL COMPANY, a Delaware Corporation, has equitable rights in and to this invention and desires to confirm such rights and to acquire all right, title and interest in and to said invention;

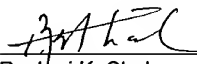
NOW THEREFORE, for valuable consideration received, we hereby sell, assign, and transfer to said SHELL OIL COMPANY, its successors and assigns, all right, title and interest in and to said invention in the United States and in all other countries throughout the world; including without limitation those in and to the above-named application and any continuation, substitute or division application thereof and the patent or patents which may be issued thereon in the United States and any reissue of any such patent, and those in and to any application or patent or utility model in any and all such other countries of the world, and further including the right to file further applications in all countries throughout the world in the name of SHELL OIL COMPANY or whomsoever that company may nominate, and to claim the priority of the above-named United States application under the International Convention of Paris of 1883.

With respect to any country where for the filing of such an application and/or the transfer of priority rights a separate deed of sale, assignment or transfer is required, we will undertake at the request of SHELL OIL COMPANY to execute such separate deed to SHELL OIL COMPANY or to whomsoever that company may nominate.

And we hereby agree that we will upon request execute any instrument which SHELL OIL COMPANY desires to carry this assignment in effect, and perfect the title transferred hereby, or to prosecute any of the above-mentioned United States applications or any foreign application on this invention.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters Patent on said above-named application and on any continuation, substitute or division thereof to SHELL OIL COMPANY.

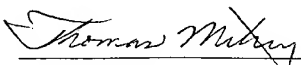
IN TESTIMONY WHEREOF, we have hereunto subscribed our names below.

  
Rashmi K. Shah

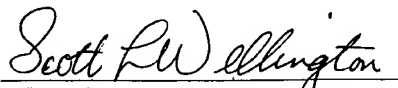
11/19/98  
(Date)

  
(Witness)

A. J. Baumgartner  
(Witness)

  
Thomas Mikus

April 23, 1999  
(Date)

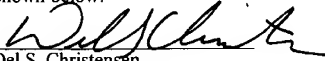
  
(Witness)

Scott R. Wellington  
(Witness)



PATENT  
TH1042 (US)  
DSC:SWT

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Assistant Commissioner for Patents, Washington, D.C. 20231, on or before the date shown below.

  
Del S. Christensen  
Date: August 30, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

RASHMI K. SHAH and THOMAS MIKUS

Serial No. 09/168,770

Filed October 8, 1998

FLAMELESS COMBUSTOR PROCESS HEATER

ASSISTANT COMMISSIONER FOR PATENTS  
Washington, DC 20231

ATTN: SOLICITOR

Sir:

**CONSENT OF ASSIGNEE TO CORRECTION OF  
NON-JOINDER OF INVENTORS UNDER 37 CFR 1.324**

Shell Oil Company, the Assignee of the entire right, title and interest, by assignment recorded on August 30, 2000, and entitled "FLAMELESS COMBUSTOR PROCESS HEATER" an application Serial No. 09/168,770, filed October 8, 1998, hereby consents to the amending of the patent under authority of 37 CFR 1.324 to correct a non-joinder of inventors by change of the inventorship entity from Rashmi K. Shah and Thomas (NMI) Mikus as inventors to the names of Rashmi K. Shah, Thomas (NMI) Mikus and Pettai Krishna Shankar as joint inventors.

The facts pertinent to the requested change of inventorship entity are set out in the accompanying statement of facts by the original named inventor as specified by 37 CFR 1.48(a). A declaration under 37 CFR 1.63 executed by Rashmi K. Shah, Thomas (NMI) Mikus and Pettai Krishna Shankar, also accompanies this paper.

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Group Art Unit: 1764

Examiner: F. Varcoe, Jr.

August 30, 2000

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The undersigned hereby states that he is authorized to execute legal documents on behalf of the Assignee, Shell Oil Company.

SHELL OIL COMPANY

A handwritten signature in black ink, appearing to read "Del S. Christensen", written over a horizontal line.

Attorney, Del S. Christensen  
Registration No. 33,482  
(713) 241-3997

P. O. Box 2463  
Houston, Texas 77002-2463